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The following reports were read and referred to the Publication Committee :

REPORT OF THE CURATORS.

Another year has passed with its usual addition of treasures to the Museum of the Academy, which has now become, from its exceedingly crowded condition, rather a rich store house of materials for the use of naturalists, than a convenient place of exhibition and study. A new and previously unforeseen incident has occurred during the year which greatly contributes to the necessity of our seeking other quarters. A huge store, recently erected in the rear of our building, so much diminishes the light from that direction, as greatly to interfere with the view of objects in the museum.

The trustees of the building fund of the Academy continue their efforts to procure means to provide proper accommodations for the purposes of the institution, not only suitable to its present condition, but having in view its future increase, but their means are not equal to what are desirable. Having obtained subscriptions from citizens of upwards of \$100,000, they have selected and purchased an ample piece of ground, in many respects well selected and located, at the south-west corner of 19th and Race Sts., opposite one of the finest public squares of the city. But the lot has cost upwards of \$60,000, and the estimates of an appropriate building approach \$300,000, which we see but little prospect of obtaining.

Many of the subscribers to the building fund and other citizens object to the location chosen, and consider that a position on Broad Street would be in many respects more desirable, and especially as it would there be more in the way of travel of those most interested in the institution. Admitting this view to be correct, a greater difficulty in the way of accommodating the Academy in this position, is the much greater value of the ground than in the locality already chosen.

Most of the members of the Academy, and numerous citizens hope and look for aid from our Legislature and City Councils, in the suggested appropriation of one of the Penn Squares for the uses of the institution. Taking the view that the Academy is virtually a public institution, of which its members are the trustees, and considering the importance it is to the intellectual interests of the public, it appears to us no more than a matter of justice that the city should be enabled to appropriate for the use of the Academy, what is now really a useless common. It is to be hoped that the efforts now being made by the Trustees of the Building Fund of the Academy, to obtain an act of the Legislature to permit our City Councils to appropriate one of the Penn Squares to our uses may prove successful. With such assistance, we could no doubt readily obtain the additional means to erect a suitable building for the Academy, one which, with its stores of intellectual treasures open free to the public, would become one of the most attractive features of Philadelphia.

The Museum collection is in good condition. Our thanks are due to Messrs. Isaac Burke and E. Dieffenbaugh, who have poisoned the entire American Herbarium, and are now engaged in doing the same with the General Herbarium. This is a most important work, ensuring the plants against the depredations of insects.

Among the most important and attractive additions made to the Museum during the year is the restored skeleton of the great extinct reptile *Hadrosaurus*, now occupying the fore part of the lower hall. The restoration is due to the accomplished natural history artist B. Waterhouse Hawkins, of London, and when we add that all the labor and expense attending the restoration was a voluntary contribution of the gentleman, we cannot too much express our gratitude to him.

The fine mounted specimen of the great extinct Elk, of Ireland, which has
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so long been a conspicuous object in the Museum, and which had been on deposit with the Academy, has now become its property, having been presented, together with other specimens of the same animal, by our fellow member, Mr. Joseph A. Wright.

In the month of December some thieves gained access to the Academy, and broke open several of the mineral cases, from which they abstracted a number of specimens, principally gold and precious gems. Fortunately most of the specimens have been recovered, and one of the thieves was apprehended and is now in prison.

During the year, notwithstanding the Academy was closed twelve of the usual visiting days, there were 65,769 visitors to the Museum.

The following is a synopsis of the donations made in the different departments of the Museum during the year.

Mammals.—Twenty-one species, besides two small collections, were presented by E. D. Cope, W. M. Gabb, H. Yarnal, I. I. Hayes and W. Raborg.

Birds.—Two small collections of birds and of nests and eggs, together with sixteen additional specimens, were presented by E. J. Lewis, E. D. Cope, W. S. Wood, J. D. Sergeant and C. S. Westcott.

Reptiles.—Prof. E. D. Cope presented a collection of 1465 specimens of 118 species from Pennsylvania, Virginia and Brazil; 40 species from Equador; four collections from Brazil, New Granada, Central America and elsewhere; and in addition, 33 species from Central America, the Rocky Mountains and elsewhere. Dr. George H. Horn presented a collection of 48 specimens of 16 species from Arizona and California; Dr. G. Lincecum, 104 specimens of 14 species of Texas; W. M. Gabb, 10 species from Lower California and Nevada; Ed. Day, a collection in 5 jars from Equador; and the Smithsonian Institution 20 species from Guayaquil, besides 8 species of *Amblystoma*. Others were presented by Dr. J. L. LeConte, Jos. A. Clay, C. B. Adams, C. Guillou, Dr. Randall and J. C. Brevoort.

Fishes.—Prof. Cope presented two collections in 30 jars from Kansas and New Granada, besides 23 species from the Potomac, the Wabash, New Jersey, and elsewhere. F. Sumichrast presented a collection of 86 specimens of six species from Mexico; Dr. Geo. Davidson, 15 species from Alaska; and Thomas Davidson, a collection from the West Indies.

Mollusks.—Many donations of mollusca have been made through the Conchological Department, for an account of which refer to the report of its Conservator.

In addition the Academy has received a large collection of unionidæ and other shells of the late Major LeConte, from Dr. John L. LeConte. Specimens were also received from J. R. Willis, W. M. Gabb, Dr. Genth and the Smithsonian Institution.

Articulates.—A collection of upwards of 600 species of exotic coleoptera, belonging to the late Dr. Zimmerman, was presented by Drs. John L. LeConte, Samuel Lewis, G. H. Horn, F. W. Lewis and Messrs. I. Lea, S. S. Haldeman and E. Draper. Dr. H. C. Wood presented 19 species of phalangidæ; J. R. Willis a small collection of crustacea, from Nova Scotia; and 14 species of myriapods, crustaceans, etc., were presented by W. M. Gabb, Geo. Davidson, J. L. LeConte, Edw. D. Cope, J. Lambert, H. Allen, and D. G. Brinton.

Radiates.—Nine echinoderms were presented by W. M. Gabb, Geo. Davidson and J. Adams.

Fossils.—Especially in the department of palæontology has the Museum of the Academy increased during the year. Besides the important addition mentioned in the introductory portion of the report, the following have been received.

A collection of about 3000 specimens of 500 species of fossils from the

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triassic, cretaceous, and tertiary formations of California, Nevada and Oregon, deposited by Wm. M. Gabb. Many of the species are types described by Mr. Gabb.

A part of the Poirrier collection of remains of mammals, birds, and fishes from the miocene, pliocene and post-pliocene formations of the valley of the Loire, France, purchased at a cost of \$700, and presented by Messrs. Samuel and John Welsh, Isaac Lea, W. S. Vaux, and John Rice.

The greater part of the skeleton of an enormous extinct saurian, described by Prof. Cope, under the name of *Elasmosaurus platyrus*, from near Fort Wallace, Kansas, presented by Dr. Theop. H. Turner.

Two collections consisting of upwards of 1000 specimens of about 40 species of teeth of sharks and other fishes, and many specimens of 16 species of cetaceans, from the miocene formation of Charles Co., Maryland, presented by Prof. Edward D. Cope.

A collection of remains of *Laelaps* and other extinct reptiles from the marls of New Jersey, presented by Prof. Cope.

A collection of tertiary and cretaceous plants from Colorado, New Mexico, and Kansas, described by Lesquereux, presented by Dr. John L. Leconte.

L. P. Wheelock presented 58 fossils of the corniferous limestone of Ohio; Col. James Greer, 33 fossils from Ohio; and Rev. E. B. Eddy 17 fossils from Iowa.

Small collections from Ohio, Virginia, Pennsylvania, Maryland and Nova Scotia and elsewhere, were presented by E. D. Cope, Dr. O. A. Judson, W. M. Gabb, John R. Willis, F. A. Randall, and Dr. J. T. Rothrock. Sixty additional specimens were presented by E. D. Cope, W. M. Gabb, Dr. F. A. Hassler, J. Leidy, E. R. Beadle, Dr. F. V. Hayden, Dr. J. L. LeConte, C. W. Matthews, Gen. John Gibbon, R. H. Lamborn, Dr. N. R. Bradner, John Walton, W. Köhler, G. W. Hall, H. R. Parker and C. W. Peale.

Minerals.—Small collections were received from John R. Willis and C. Guillou, and 40 specimens were presented by Dr. F. A. Hassler, T. D. Rand, W. S. Vaux, E. Draper, T. Guilford Smith, F. Lavergne, B. S. Lyman, E. R. Beadle, S. Tyson, Dr. J. Corse, Mr. Struthers, M. Phillips, T. F. Moss, F. V. Hayden, P. A. Snell, G. J. Ulex, B. A. Hoopes, Mr. Goldsmith and J. H. Claghorn.

Botany.—A collection of California plants were presented by Dr. W. P. Gibbons; 53 plants of New Jersey and Pennsylvania were presented by J. Burke and E. Dittenbaugh; and Dr. George Engelmann, of St. Louis, presented a copy of his *Herbarium of the North American Junci*.

Comparative Anatomy.—Dr. George Davidson presented skeletons of a male and female Otter, from Alaska. Dr. James L. Corse, presented a collection consisting of jars of embryo mammals, specimens for the microscope, entozoa, 7 human skulls, casts of 4, and the skeleton of an eagle. 23 skeletons, skulls and other specimens were presented by W. Bartram Snyder, I. I. Hayes, Joseph Jeanes, W. S. Vaux, Edward Cope, Wm. M. Gabb, O. N. Bryan, Prof. Von Siebold, of Munich, Edw. Davis, Dr. Genth, I. Lea, and E. J. Lewis.

Miscellaneous.—Specimens were presented by Joseph Henry Craven, Rev. A. Grout, J. R. Willis, Wm. M. Gabb, J. B. Ellis, E. Borda, G. H. Horn, Dr. J. A. McConnel, P. Crosby, S. Powell, Rev. W. E. Hunt, and the United States Sanitary Commission.

Respectfully submitted by

JOSEPH LEIDY,

Chairman of the Curators.

LIBRARIAN'S REPORT.

The Librarian respectfully reports that the number of additions to the Library from January to December, 1868, inclusive, amounts to 1323.

Of these there were volumes, 257; pamphlets, 1055; maps, &c., 11: Total, 1323. 33 were folios; 323 quartos; 952 octavos; 4 duodecimos, and 11 maps. 1868.]